

## Product datasheet for **RG208695**

### CRELD2 (NM\_024324) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CRELD2 (NM_024324) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CRELD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208695 representing NM_024324 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGCCTGCCGCGCCGGGCCGCGCTGGGGCTCCTGCCGTTCTGCTGCTGCTGCCGCCGCGCCGGAGG  
CCGCCAAGAAGCCGACGCCCTGCCACCGGTGCCGGGGCTGGTGGACAAGTTAACCCAGGGGATGGTGGA  
CACCGCAAAGAAGAACTTTGGCGCGGGAAACACGGCTTGGGAGGAAAAGACGCTGTCCAAGTACGAGTCC  
AGCGAGATTCGCCTGCTGGAGATCCTGGAGGGCTGTGCGAGAGCAGCGACTTCGAATGCAACCAGATGC  
TAGAGGGCAGGAGGAGCACCTGGAGCCCTGGTGGTGCAGCTGAAGAGCGAATATCCTGACTTATTCGA  
GTGGTTTTGTGTAAGACACTGAAAGTGTGCTGCTCTCCAGGAACCTACGGTCCCGACTGTCTCGCATGC  
CAGGGCGGATCCCAGAGGCCCTGCAGCGGAATGGCCACTGCAGCGGAGATGGGAGCAGACAGGGCGACG  
GGTCTGCCGGTGCCACATGGGGTACCAGGGCCCGCTGTGCACTGACTGCATGGACGGCTACTTCAGCTC  
GCTCCGGAACGAGACCCACAGCATCTGCACAGCCTGTGACGAGTCTGCAAGACGTGCTCGGGCCTGACC  
AACAGAGACTGCGGCGAGTGTGAAGTGGCTGGTGTGACGAGGGCGCCTGTGTGGATGTGGACGAGT  
GTGCGGCCGAGCCGCTCCCTGCAGCGCTGCGCAGTCTGTAAGAACGCCAACGGCTCTACACGTGCGA  
AGAGTGTGACTCCAGCTGTGTGGCTGCACAGGGGAAGGCCAGGAACTGTAAGAGTGTATCTCTGGC  
TACGCGAGGGAGCACGGACAGTGTGCAGATGTGGACGAGTGCCTAGCAGAAAAAACCTGTGTGAGGA  
AAAACGAAAACCTGCTACAATACTCCAGGGAGCTACGTCTGTGTGTCTGACGGCTTCGAAGGAACGGA  
AGATGCCTGTGTGCCCGCCGAGAGGCTGAAGCCACAGAAGGAGAAGGCCGACACAGCTGCCCTCCCGC  
GAAGACCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG208695 representing NM\_024324  
 Red=Cloning site Green=Tags(s)

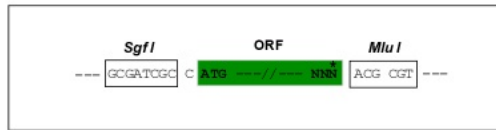
MRLPRAALGLLPLLLLLPPAPEAAKKPTPCHRCRGLVDKFNQGMVDTAKKNFGGGNTAWEEKLSKYES  
 SEIRLLEILEGLCESSDFECNQMLEAQEEHLEAWWLQLKSEYPDLFEWFCVKTLKVVCCSPGTYGPDCLAC  
 QGGSQRPCSGNGHCSGDGSRQGDGSCRCHMGYQGFLCTDCMDGYFSSLRNETHSICTACDESKTCSGLT  
 NRDCGECEVGVWLDEGACVDVDECAAEPSPCSAAQFCKNANGSYTCEECDSSCVGCTGEGPGNCKECSIG  
 YAREHGQCADVDECALAEKTCVRKNENCYNTPGSYVVCVCPDGFEGTEDACVPPAEAEATEGESPTQLPSR  
 EDL

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_024324

**ORF Size:** 1059 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_024324.2](#), [NP\\_077300.2](#)

**RefSeq Size:** 1379 bp

**RefSeq ORF:** 1062 bp

**Locus ID:** 79174

**UniProt ID:** [Q6UXH1](#)

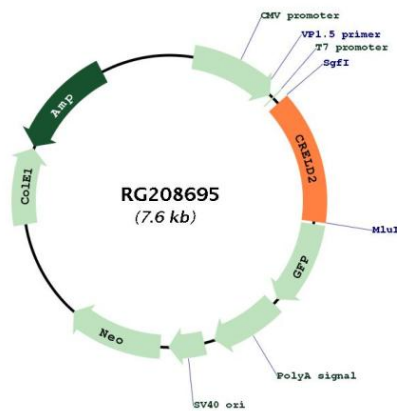
**Cytogenetics:** 22q13.33

**Domains:** EGF\_CA, EGF, EGF, FU

**Protein Families:** Druggable Genome, Secreted Protein

**Gene Summary:** May regulate transport of alpha4-beta2 neuronal acetylcholine receptor.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG208695